Iowa Department of Natural Resources
Draft Title V Operating Permit

Name of Permitted Facility: Whirlpool Corporation - Amana Division
Facility Location: 2800 220th Trail, Amana, Iowa 52204
Air Quality Operating Permit Number: 01-TV-013R1
Expiration Date: 12/25/2012

Permit Renewal Application Deadline: 6/25/2012

EIQ Number: 92-0185
Facility File Number: 48-05-001

Responsible Official
Name: Dan H. Smith
Title: V.P. - Amana Division
Mailing Address: 2800 220th Trail, Amana, Iowa 52204
Phone #: 319-622-8164

Permit Contact Person for the Facility
Name: Denise Tucker
Title: EH&S Technician
Mailing Address: 2800 220th Trail, Amana, Iowa 52204
Phone #: 319-622-2638

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Douglas A. Campbell, Supervisor of Air Operating Permits Section Date

Table of Contents

Abbreviations

acfm.....actual cubic feet per minute
CFR.....Code of Federal Regulation
CE .....control equipment
CEM.....continuous emission monitor
°F.....degrees Fahrenheit
EIQ.....emissions inventory questionnaire
EP.....emission point
EU .....emission unit
gr./dscf .....grains per dry standard cubic foot
gr./100 cf.....grains per one hundred cubic feet
IAC.....Iowa Administrative Code
IDNR.....Iowa Department of Natural Resources
MVAC.....motor vehicle air conditioner
NAICS.....North American Industry Classification system
NSPS.....new source performance standard
ppmv .....parts per million by volume
lb./hr.....pounds per hour
lb./MMBtu .....pounds per million British thermal units
SCC.....Source Classification Codes
scfm.....standard cubic feet per minute
SIC .....Standard Industrial Classification
TPY .....tons per year
USEPA.....United States Environmental Protection Agency

Pollutants
PM.....particulate matter
PM_{10}.....particulate matter ten microns or less in diameter
SO_2.....sulfur dioxide
NO_x .....nitrogen oxides
VOC .....volatile organic compound
CO.....carbon monoxide
HAP.....hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Whirlpool Corporation - Amana Division
Permit Number: 01-TV-013R1

Facility Description: Household Refrigerator and Freezer Manufacture (SIC 3632)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
9	9-1	Sterling #2 ABS Extruder	87-A-201-S1
11-1	11	Cabinet Foam Fixture	95-A-217-S1
12-A 12-B 12-C	12-1	White E-Coat Washer Natural Gas Burner	91-A-103-S1
13-A 13-B	13-1	White E-Coat Dry Off Oven	
14	14-1	White E-Coat Tank Vestibule	91-A-103-S1
15	15-1	White E-Coat Dehydration Oven	91-A-103-S1
16-A 16-C 16-D	16-1	White E-Coat Bake Oven	
18-A 18-B	18-1	Black E-Coat Washer	
18-C	18-2	Black E-Coat Dryer	
19	19-1	Black E-Coat Tank	
26-A 26-B 26-C	26-1	Black E-Coat Cure Oven	89-A-060
34	34-1	Styrene Extruder	92-A-062
34	34-2	Polystyrene Extruder	
37-1	37-1	EPS Pre-Extruder	99-A-009-S3
37-2	37-2	EPS Bag Storage	99-A-010-S3
37-3	37-3	Condensate from Molding	02-A-776-S2
37-4	37-4	EPS Condensate Vent 2	02-A-777-S2

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
37-5	37-5	EPS Condensate Vent 3	02-A-778-S2
38-1	38-1	EPS Boiler	02-A-551
40	40-1	Line 8 foam Fixture (A)	97-A-978
41	41-1	Sterling ABS Extruder	92-A-063
43	43-1	Model Shop Paint Booth	92-A-650
48	48-1	TB/BM Door Foam	95-A-219
5-A 5-B 5-C	5-1	Hand Spray Booth	87-A-124-S2
54	54-1	Touch Up Booth #1 (S X S)	90-a-343-S1
60	60-1	Line 92 Cabinet Foam	95-A-218-S1
60	60-2	Line 92 Cabinet Foam	
61	61-1	Touch Up Paint Booth #5 (92)	92-A-651-S1
64	64-1	Touch Up Paint Booth # 6 (8)	93-a-269-S1
65	65-1	ABS Co-extruder	94-A-191-S1
65	65-2	ABS Co-extruder	
66	66-1	Pellet Humidifier Dryer	94-A-189-S1
67	67-1	Pellet Humidifier Dryer	94-A-190-S1
134	134-1	Fluidized Bed Paint Stripper	96-A-1080-S3
134	134-1A	Natural Gas Burner	
135-1	135-1	Parts Washer Burner	98-A-173
135-2	135-2	Parts Washer Burner	98-A-174
135-3	135-3	Powder Coat Parts Washer	98-A-175
135-4	135-4	Parts Washer Rinse	98-A-176
135-5	135-5	Parts Washer Entry Vent	98-A-177
135-6A	135-6A	Parts Washer	98-A-178
135-6B	135-6B	Parts Washer Burner	98-A-179
135-7	135-7	Parts Washer Rinse Stage	98-A-180
135-8	135-8	Dry Off Oven	98-A-181
135-9	135-9	Cure Oven	98-A-182-S1

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
135-10	135-10	Cure Oven	98-A-183-S1
135-11a	135-11a	Cooling Tunnel	98-A-184
135-11b	135-11b	Cooling Tunnel	98-A-185
140	140	Acid Bath	02-A-552
141	141	Waste Water Tank	02-A-553
144	144	Bldg 52 Door Foam	02-A-733
145	145	Bldg 52 Cabinet Foam	02-A-734
146	146	Bldg 52 Brazing	02-A-735
147	147	Tote Vent	03-A-456
148	148	Thermoformer	04-A-592
149	149	Microwave Cavity Washer	06-A-118
F-Misc	F-014	Misc Sources	
F-Misc	F-015	Misc Sources	
F-Misc	F-135	Misc Sources	
F-Misc	F-192	Air Make-up Burner	

Insignificant Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
25-1	White Goods Hand Spray Oven
47-1	Door Foam Preheat Oven
49-1	Door Foam Cure Oven
50-1	Door Foam Cure Oven
51-1	Door Foam Preheat Oven
52-1	Door foam Cure Oven
53-1	Door Foam Cure Oven
59-1	Waste Water Treatment Tanks
63-1	Line 92 Foam Preheat Burners
71-1	South Fire House Pump
74-1	Wastewater Treatment Diesel Generator
75-1	North Fire House Pump
77-1	UPS Generator
78-1	UPS Generator
81-1	Waste Water Treatment Space Heater
81-2	Waste Water Treatment Space Heater
81-3	Waste Water Treatment Space Heater

Insignificant Emission Unit Number	Insignificant Emission Unit Description
82-1	North fire House Space Heater
83-1	Filter House Space Heater
85-1	Carpenter Shop Space Heater
86-1	Carpenter Shop Space Heater
87-1	Construction Shop Space Heater
88-1	Construction - Space Heater
89-1	Construction Shop Space Heater
90-1	Construction Shop Space Heater
91-1	Building 66 Heater - North
92-1	Building 66 Heater - South
93-1	Building 60 Heater
94-1	Building 36 Heater
95-1	Building 47 Heater - West
96-1	Building 47 Heater - East
97-1	Building 55 Heater - West
98-1	Building 55 Heater - East
99-1	Building 43 Heater - North
100-1	Building 43 Heater - West
101-1	Building Heater - East
102-1	Building 41 Heater - North
103-1	Building 41 Heater - West
104-1	Building 41 Heater - East
105-1	Building 17 Heater
106-1	Building 34 Heater
107-1	Building 35 Heater
108-1	Building Heater - North
109-1	Building 39 Heater - South
110-1	Building 52 Heater - South
111-1	Building 52 Heater - North
112-1	Building 57 Heater - North
113-1	Building 57 Heater - East
116-1	Building 61 Heater - North
117-2	Building 66 North Truck Door Heater
118-1	Building 66 North Truck Door Heater
120-03	Building 66 South Truck Door Heater
120-04	Building 66 South Truck Door Heater
120-05	Building 66 South Truck Door Heater
120-06	Building 66 South Truck Door Heater
120-07	Building 66 South Truck Door Heater
120-08	Building 66 South Truck Door Heater
120-09	Building 66 South Truck Door Heater

Insignificant Emission Unit Number	Insignificant Emission Unit Description
120-10	Building 66 South Truck Door Heater
120-11	Building 66 South Truck Door Heater
120-12	Building 66 South Truck Door Heater
120-13	Building 66 South Truck Door Heater
120-14	Building 66 South Truck Door Heater
120-15	Building 66 South Truck Door Heater
120-16	Building 66 South Truck Door Heater
121-1	Building 52 Shipping Docks Heater
122-1	Building 57 South Shipping Dock Heater
123-1	Building 59 South Shipping Dock Heater
125-1	Building 61 North Truck Door Heater
125-2	Building 61 North Truck Door Heater
125-3	Building 61 North Truck Door Heater
127-1	Building 52 Industrial Microwave Heater
127-2	Building 52 Industrial Microwave Heater
127-3	Building 52 Industrial Microwave Heater
128-1	Building 52 Industrial Microwave Heater
128-2	Building 52 Industrial Microwave Heater
129-1	Building 52 Industrial Microwave S. Heater
129-2	Building 52 Industrial Microwave S. Heater
123-3	Building 52 Industrial Microwave S. Heater
129-4	Building 52 Industrial Microwave S. Heater
131-1	Line 8 S x S Foam Fixture Exhaust
F-017	RWC Auto Door Welding
F-028	Line 8 Foam Fixture
F-039	Black E-Coat Tank
F-051	ABS Extruder Cooling Water
F-053	Paint R-work
F-074	TWC Cabinet Spot Welder
F-075	Link Cabinet Welder
F-076	Side by Side Spot Welder - 1
F-077	Side by Side Spot Welder - 2
F-078	Panasonic Spot Weld
F-079	Cavity Welder
F-080	Weltronic Spot Weld
F-081	Link Door Welder
F-082	ACME Press Menumaster Welder
F-091	ACME Menumaster Welder
F-093	ACME Press Menumaster Welder
F-094	ACME Press Menumaster Welder
F-095	ACME Press Menumaster Welder

Insignificant Emission Unit Number	Insignificant Emission Unit Description
F-097	Banner Welder
F-112	Model Shop Welder
F-149	Construction Welder
F-169	Hobart Brazing - Tubing
F-215	Solvent Parts Washer
F-Braze	Facility Brazing (11 Units)

II. Plant-Wide Conditions

Facility Name: Whirlpool Corporation - Amana Division
Permit Number: 01-TV-013R1

Permit conditions are established in accord with 567 Iowa Administrative Code Rule 22.108

Permit Duration

The term of this permit is: 5 years
Commencing on: 12/26/2007
Ending on: 12/25/2012

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Emission Limits
Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): 40% opacity
Authority for Requirement: 567 IAC 23.3(2)"d"

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

Particulate Matter:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.
For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"

Fugitive Dust:
Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567 IAC 23.3(2)"c"

40 CFR 60 Subpart A New Source Performance Standards General Provisions. This facility is subject to, and must comply with the requirements of 40 CFR 60 Subpart A.

40 CFR 60 Subpart SS New Source Performance Standards for Industrial Surface Coating for Large Appliances. This facility is subject to, and must comply with the requirements of 40 CFR 60 Subpart SS.

40 CFR 63 Subpart A National Emission Standards for Hazardous Air Pollutants General Provisions. This facility is subject to, and must comply with the requirements of 40 CFR 63 Subpart A.

40 CFR 63 Subpart NNNN National Emission Standards for Hazardous Air Pollutants for Surface Coating of Large Appliances. This facility is subject to, and must comply with the requirements of 40 CFR 63 Subpart NNNN.

40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The following emission units are subject to 40 CFR 63 Subpart DDDDD:

- White E-Coat Washer (EU 12-1)
- Powder Coat Parts Washer (EU 135-1 thru EU 135-3)
- Black E-Coat Washer (EU 18-1)
- Line 92 Foam Preheat Burners (EU 63-1)
- 5 new boilers recently installed as replacement to Boilers # 1 and #2 (EU 44-1 and EU 79-1)

Section 112(j) of the Clean Air Act (MACT Hammer) Compliance Plan

These emissions units are of the source type regulated by the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters (567 IAC 23.1(4)"dd", 40 CFR Part 63, Subpart DDDDD). On July 30, 2007, the DC Circuit Court vacated this entire standard. Since the standard has been vacated, the units may be subject to the requirements of section 112(j) of the Clean Air Act. Section 112(j) requires the facility to submit an application addressing the control of HAP emissions from these units and also requires that the MACT (Maximum Achievable Control Technology) be incorporated into the facility's Title V operating permit. The Iowa DNR - Air Quality Bureau is currently developing a procedure to implement Section 112(j) requirements, if applicable, for units that were subject to the vacated rule. If the facility is required to modify the units or control equipment to comply with section 112(j), then the facility shall submit an application to modify the required construction permit.

Authority for Requirement: 40 CFR 63.52; 567 IAC 23.1(4)"b"(2

Compliance Plan
The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.

Unless otherwise noted in Section III of this permit, Whirlpool Corporation - Amana Division is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which become effective during the permit term, Whirlpool Corporation - Amana Division shall comply with such requirements in a timely manner.
Authority for Requirement: 567 IAC 22.108(15)

III. Emission Point Specific Conditions

Facility Name: Whirlpool Corporation - Amana Division
Permit Number: 01-TV-013R1

Emission Point ID Number: 9

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 9-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 9-1
Emission Unit Description: #2 Styrene Extruder
Raw Material/Fuel: Polystyrene
Rated Capacity: 2.5 Ton/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 1.6 lb/hr
Authority for Requirement: IDNR construction Permit 87-A-201-S1

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. The amount of Acrylonitrile used in this unit shall not exceed 0.04 lb/hr.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record amount Polystyrene used each hour of operation.

Authority for Requirement: IDNR Construction Permit 87-A-201-S1

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 11-1

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 11
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 11-1
Emission Unit Description: Cabinet Foam Fixture
Raw Material/Fuel: MDI Foam
Rated Capacity: 12 ton/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC's)
Emission Limit(s): 5.36 Tons/yr[1]
Authority for Requirement: IDNR Construction Permit 95-A-217-S1

[1] Limit set to stay under PSD significance level. The limit is for the combined emissions from sources 11, 40-A, and 60.

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP Applicability

This emission unit is not subject to any NSPS or NESHAP requirements at this time.

Process Throughput

1. The amount of Mondur 577 used in sources 11, 40-A and 60 combined shall not exceed 33.645×10^6 pounds per 12-month rolling period.
2. The amount of Masterbatch used in Sources 11, 40-A and 60 combined shall not exceed 27.05×10^6 pounds per 12-month rolling period.

3. The VOC content of Masterbatch used Sources 11, 40-A and 60 shall not exceed 1.97% by weight.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The amount of Mondur 577 used in this source, in pounds. Calculate and record monthly and 12-month totals rolled monthly.
2. The amount of Masterbatch used in this source, in pounds. Calculate and record monthly and 12-month totals rolled monthly.
3. The VOC content of the Masterbach used in this source, in weight percent.

Authority for Requirement: IDNR Construction Permit 95-A-217-S1

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 38
Stack Opening, (inches, dia.): 18
Exhaust Flow Rate (acfm): 3600
Exhaust Temperature (°F): Ambient
Authority for Requirement: IDNR Construction Permit 95-A-217-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 12A, 12B, 12C, 13A, 13B, 14, 15, 16A, 16C, 16D

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 12-3, 13-1, 14-1, 15-1, 16-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 12-3, 13-1, 14-1, 15-1, 16-1
Emission Unit Description: White E Coat Cure Oven
Raw Material/Fuel: Natural Gas/Propane
Rated Capacity: 1.5 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EP	EU	Pollutant	Emission Limit	Authority for Requirement	
				IAC	Iowa DNR Construction Permit
12A 12B 12C	12-1	Opacity	0%	567 IAC 23.3(2)"d"	-
		SO_2	500 ppmv	567 23.3(3)"e"	
		PM	0.01 gr/dscf	567 IAC 23.4(13)	-
		VOC	39.2[1]		91-A-103-S1
13A 13B	13-1	Opacity	0%	567 IAC 23.3(2)"d"	91-A-103-S1
		SO_2	500 ppmv	567 23.3(3)"e"	
		PM	0.01 gr/dscf	567 IAC 23.4(13)	
		VOC	39.2[1]		91-A-103-S1
14	14-1	Opacity	0%	567 IAC 23.3(2)"d"	
		SO_2	500 ppmv	567 23.3(3)"e"	
		PM	0.01 gr/dscf	567 IAC 23.4(13)	
		VOC	39.2[1]		91-A-103-S1
15	15-1	Opacity	0%	567 IAC 23.3(2)"d"	91-A-103-S1
		SO_2	500 ppmv	567 23.3(3)"e"	
		PM	0.01 gr/dscf	567 IAC 23.4(13)	

		VOC	39.2[1]		91-A-103-S1
16A 16C 16D	16-1	Opacity	0%	567 IAC 23.3(2)"d"	-
		SO_2	500 ppmv	567 23.3(3)"e"	
		PM	0.01 gr/dscf	567 IAC 23.4(13)	-
		VOC	39.2[1]		91-A-103-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Applicability

Emission points 14-1, 15-1, and 16-1 are subject to the following:

1. These emission units shall comply with all applicable requirements from 40 CFR Part 60, Subpart SS, NSPS for Industrial Surface Coating - Large Appliances.
2. These emission units shall comply with all applicable requirements from 40 CFR Part 60, Subpart A, General Provisions.
3. These emission units shall comply with all applicable requirements from 40 CFR Part 63, Subpart NNNN, NESHAP for Surface Coating of Large Appliances.
4. These emission units shall comply with all applicable requirements from 40 CFR Part 63, Subpart A, General Provisions.
5. See section regarding plant wide conditions.

Authority for Requirement: 567 IAC 23.1(2) "kk"
567 IAC 23.1(1)
567 IAC 23.1(4)"a"
567 IAC 23.2(4)"cn"
IDNR Construction Permit 91-A-103-S1

Process Throughput

1. The maximum amount of VOC's in all materials used in these sources shall be limited as follows:

Material	**VOC Content**	**Usage**
CR 450 Resin	0.57 lb/gal	94,000 gal/yr
SP 406 Paste	0.68 lb/gal	18,800 gal/yr
Cellosolve	7.50 lb/gal	1,600 gal/yr

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The VOC content in lb/gal for each material used in the system.
2. The monthly material usage in gal/month.
3. After the initial 12 months of operations, annual material usage shall be determined on a rolling month basis each month of operations.
4. Emission units 14-1, 15-1, and 16-1 shall comply with all applicable monitoring and/or record keeping set forth in 40 CFR Part 60 subpart SS.
5. Emission units 14-1, 15-1, and 16-1 shall comply with all applicable monitoring and/or record keeping set forth in 40 CFR Part 63 subpart NNNN.

Authority for Requirement: 567 IAC 23.1(2)"kk"
567 IAC 23.2(4)"cn"
IDNR Construction Permit 91-A-103-S1

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 37
Stack Opening, (inches, dia.): 1.5
Exhaust Flow Rate (scfm): 1500
Exhaust Temperature (°F): 78
Authority for Requirement: IDNR Construction Permit 91-A-103-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 18a, 18b, 18c

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 18-1, 18-2
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 18-1, 18-2
Emission Unit Description: Black E-Coat Washer
Raw Material/Fuel: Washer Chemicals
Rated Capacity: 1.14 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EP	EU	Pollutant	Emission Limit	Authority for Requirement	
				IAC	Iowa DNR Construction Permit
18a	18-1	Opacity	40%	567 IAC 23.3(2)"d"	-
		PM	0.01 gr/dscf	567 IAC 23.3(2)"a"	-
18b	18-1	Opacity	40%	567 IAC 23.3(2)"d"	-
		PM	0.01 gr/dscf	567 IAC 23.3(2)"a"	-
18c	18-2	Opacity	40%	567 IAC 23.3(2)"d"	-
		PM	0.01 gr/dscf	567 IAC 23.3(2)"a"	-

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Applicability

See section regarding plant wide conditions.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 19

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 19-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 19-1
Emission Unit Description: Black E-Coat Tank
Raw Material/Fuel: Paint
Rated Capacity: 23 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567-IAC 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 89-A-060

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. This emission unit shall comply with all applicable requirements from 40 CFR Part 60, Subpart SS, NSPS for Industrial Surface Coating - Large Appliances.
2. This emission unit shall comply with all applicable requirements from 40 CFR Part 60, Subpart A, General Provisions.
3. This emission unit shall comply with all applicable requirements from 40 CFR Part 63, Subpart NNNN, NESHAP for Surface Coating of Large Appliances.

4. This emission unit shall comply with all applicable requirements from 40 CFR Part 63, Subpart A, General Provisions.

Authority for Requirement: 567 IAC 23.1(2) "kk"
567 IAC 23.1(1)
567 IAC 23.1(4)"a"
567 IAC 23.2(4)"cn"

Process Throughput

1. This emission unit shall comply with all operating limits in 40 CFR Part 60 Subpart SS.
2. This emission unit shall comply with all operating limits in 40 CFR Part 63 Subpart NNNN.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. This emission unit shall comply with all applicable monitoring and/or record keeping set forth in 40 CFR Part 60 Subpart SS.
2. This emission unit shall comply with all applicable monitoring and/or record keeping set forth in 40 CFR Part 60 Subpart NNNN.

Authority for Requirement: 567 IAC 23.1(2)"kk"
567 IAC 23.2(4)"cn"

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 26A, 26B, 26C

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 26-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 26-1
Emission Unit Description: Black E-Coat Cure Oven
Raw Material/Fuel: Natural Gas/Propane
Rated Capacity: 5.0 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EP	EU	Pollutant	Emission Limit	Authority for Requirement	
				IAC	Iowa DNR Construction Permit
26A	26-1	Opacity	40%	567 IAC 23.3(2)"d"	89-A-060
		PM	0.01 gr/dscf	567 IAC 23.4(13)	89-A-060
26B		Opacity	40%	567 IAC 23.3(2)"d"	89-A-060
		PM	0.01 gr/dscf	567 IAC 23.4(13)	89-A-060
26C		Opacity	40%	567 IAC 23.3(2)"d"	89-A-060
		PM	0.01 gr/dscf	567 IAC 23.4(13)	89-A-060

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements 0listed below.

NESHAP Applicability

1. This emission unit shall comply with all applicable requirements from 40 CFR Part 60, Subpart SS, NSPS for Industrial Surface Coating - Large Appliances.

2. This emission unit shall comply with all applicable requirements from 40 CFR Part 60, Subpart A, General Provisions.
3. This emission unit shall comply with all applicable requirements from 40 CFR Part 63, Subpart NNNN, NESHAP for Surface Coating of Large Appliances.
4. This emission unit shall comply with all applicable requirements from 40 CFR Part 63, Subpart A, General Provisions.

Authority for Requirement: 567 IAC 23.1(2) "kk"
567 IAC 23.1(1)
567 IAC 23.1(4)"a"
567 IAC 23.2(4)"cn"

Process Throughput

1. This emission unit shall comply with all operating limits in 40 CFR Part 60 Subpart SS.
2. This emission unit shall comply with all operating limits in 40 CFR Part 63 Subpart NNNN.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. This emission unit shall comply with all applicable monitoring and/or record keeping set forth in 40 CFR Part 60 Subpart SS.
2. This emission unit shall comply with all applicable monitoring and/or record keeping set forth in 40 CFR Part 60 Subpart NNNN.

Authority for Requirement: 567 IAC 23.1(2)"kk"
567 IAC 23.2(4)"cn"

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 34

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 34-1, 34-2
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 34-1, 34-2
Emission Unit Description: Styrene Extruder
Raw Material/Fuel: Polystyrene
Rated Capacity: 1.25 ton/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC's)
Emission Limit(s): 0.015 Ton/yr
Authority for Requirement: IDNR Construction Permit 92-A-062

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record the VOC content of the polystyrene used in these emission units.
2. Record the amount of polystyrene used in these emission units.

Authority for Requirement: 567 IAC 22.108(3)
IDNR Construction Permit 92-A-062

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 37-1, 37-2, 37-3, 37-4, and 37-5

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 37-1, 37-2, 37-3, 37-4, 37-5
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 37-1, 37-2, 37-3, 37-4, 37-5
Emission Unit Description: EPS Pre-Extruder, EPS Bag Storage, EPS Condensate Vents 1 - 3
Raw Material/Fuel: Expandable Polystyrene Beads
Rated Capacity: 137 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EP	EU	Pollutant	Emission Limit	Authority for Requirement	
				IAC	Iowa DNR Construction Permit
37-1	37-1	VOC	40 ton/yr	-	99-A-009-S3
37-2	37-2	VOC	40 ton/yr	-	99-A-010-S3
37-3	37-3	VOC	40 ton/yr	-	02-A-776-S2
37-4	37-4	VOC	40 ton/yr	-	02-A-777-S2
37-5	37-5	VOC	40 ton/yr	-	02-A-778-S2

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Applicability

These emission points are not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. The quantity of beads used in EP 37-1, EP 37-2, EP 37-3, EP 37-4 and EP 37-5 shall not exceed 2,100,000 pounds per rolling twelve-month period.

2. The VOC content of the beads shall not exceed 3.7% by weight.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The owner or operator shall maintain a record of the quantity of beads used in EP-37-1, EP-37-2, EP 37-3, EP-37-4, and EP 37-5 each month, by weight. The owner or operator shall calculate a rolling twelve-month total of beads used in EP-37-1, EP-37-2, EP 37-3, EP-37-4, and EP 37-5, by weight each month.
2. The owner or operator shall maintain a MSDS of each type of bead used in EP-37-1, EP-37-2, EP 37-3, EP-37-4, and EP 37-5. The MSDS shall indicate the VOC content, by weight, of each type of bead used in EP-37-1, EP-37-2, EP 37-3, EP-37-4, and EP 37-5.

Authority for Requirement: IDNR Construction Permit 99-A-009-S3
IDNR Construction Permit 99-A-010-S3
IDNR Construction Permit 02-A-776-S2
IDNR Construction Permit 02-A-777-S2
IDNR Construction Permit 02-A-778-S2

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

EP	Stack Height (ft. from the ground)	Stack Opening (inches, dia.)	Exhaust Flow Rate (scfm)	Exhaust Temp. (° F)	Discharge Style	Authority for Requirement
37-1	42	3	Natural draft	Ambient	Downward	99-A-009-S3
37-2	42	10	1,520	Ambient	Unobstructed vertical	99-A-010-S3
37-3	42	4	Natural draft	Ambient	Unobstructed vertical	02-A-776-S2
37-4	42	4	Natural draft	Ambient	Unobstructed vertical	02-A-777-S2
37-5	42	4	Unobstructed vertical	Ambient	Unobstructed vertical	02-A-778-S2

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 38-1

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 38-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 38-1
Emission Unit Description: EPS Boiler
Raw Material/Fuel: Natural Gas/Propane
Rated Capacity: 10.6 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 02-A-551

[1]An exceedance of the indicator opacity of (no visible emissions) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter
Emission Limit(s): 0.6 lb/MMBtu
Authority for Requirement: 567 IAC 23.3(2)"b"
IDNR Construction Permit 02-A-551

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"
IDNR Construction Permit 02-A-551

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Applicability

1. This emission unit shall comply with all applicable requirements from 40 CFR Part 60, Subpart Dc, NSPS for Small industrial-commercial-institutional steam generating units..

Authority for Requirement: 567 IAC 23.1(2)"lll"

Process Throughput

1. This unit shall combust only natural gas.

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. At the end of each month, the amount of each fuel combusted over the previous month must be recorded.

Authority for Requirement: IDNR Construction Permit 02-A-551

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 43
Stack Opening, (inches, dia.): 20
Exhaust Flow Rate (scfm): 23,470
Exhaust Temperature (°F): 250
Discharge Style: Unobstructed Vertical
Authority for Requirement: IDNR Construction Permit 02-A-551

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 40

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 40-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 40-1
Emission Unit Description: Line 8 Foam Fixture
Raw Material/Fuel: MDI/Mastermatch
Rated Capacity: 12 ton/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC's)
Emission Limit(s): 5.36 ton/yr[1]
Authority for Requirement: IDNR Construction Permit 97-A-978

[1] Combined emissions from emission points 11, 40, and 60 shall not exceed 5.36 tons/yr.

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. The amount of Mondur 577 used in Sources 11, 40-1, and 60 combined shall not exceed 33.645×10^6 pounds per 12-month tolling period.
2. the amount of Mastermatch used in Source 11, 40-1, and 60 shall not exceed 27.05×10^6 pounds per 12-month rolling period.

3. The VOC content of Mastermatch used in Sources 11, 40-1, and 60 shall not exceed 1.97% by weight.

Authority for Requirement: IDNR Construction Permit 97-A-978

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The amount of Mondur 577 used in this source, in pounds. Calculate and record monthly and 12-month totals rolled monthly.
2. The amount of Mastermatch used in this source, in pounds. Calculate and record monthly and 12-month totals rolled monthly.
3. The VOC content of the Mastermatch used in this source, in weight percent.

Authority for Requirement: IDNR Construction Permit 97-A-978

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 36
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (acfm): 15,000
Exhaust Temperature (°F): Ambient

Authority for Requirement: IDNR Construction Permit 97-A-978

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 41

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 41-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 41-1
Emission Unit Description: Sterling Styrene Extruder
Raw Material/Fuel: Polystyrene
Rated Capacity: 1.25 ton/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOCs)
Emission Limit(s): 0.05 ton/yr
Authority for Requirement: IDNR Construction Permit 92-A-063

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record the VOC content of the polystyrene used in this emission unit.
2. Record the amount of polystyrene used in this emission unit.

Authority for Requirement: 567 IAC 22.108(3)

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 43

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 43-1
Emissions Control Equipment ID Number: CE 43-1
Emissions Control Equipment Description: Dry Filters
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 43-1
Emission Unit Description: Model Shop Paint Booth
Raw Material/Fuel: Paint/solvents
Rated Capacity: 18.8 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 23.3(2)"d"

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf,
0.02 lb/hr,
0.09 ton/yr
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 92-A-650

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 1.70 lb/hr, 0.98 ton/yr
Authority for Requirement: IDNR construction Permit 92-A-650

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants Subpart NNNN: Surface Coating of Large Appliances as specified in §63.4081.
2. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A - General Provisions.

Authority for Requirement: 567 IAC 23.1(4)"a"
567 IAC 23.2(4)"cn"

Process Throughput

1. This spray booth is limited to a total of 29 gallons of paint and thinner per year. All materials sprayed or used in this booth, including paints, thinners, and cleaning solvents, must comply with the VOC and tons/yr restrictions. This booth is also limited to 115.5 hours of operation per year.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The amount of paints, thinners, cleaners, and all other VOC containing materials used in this booth, in gallons. Calculate and record monthly and 12-month totals tolled monthly.
2. The VOC content, in pounds per gallon, or each paint thinner, cleaner, and all other VOC containing materials used in this booth.
3. The number of hours this booth is in operation. Calculate and record monthly and 12-month totals rolled monthly.

Authority for Requirement: IDNR Construction Permit 92-A-650
567 IAC 22.108(3)

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 26
Stack Opening, (inches, dia.): 18
Exhaust Flow Rate (scfm): 1500
Exhaust Temperature (°F): 90
Authority for Requirement: IDNR Construction Permit 96-A-650

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required?	**Yes** ☒ **No** ☐
Facility Maintained Operation & Maintenance Plan Required?	**Yes** ☐ **No** ☒
Compliance Assurance Monitoring (CAM) Plan Required?	**Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Emission Point ID Number: 48

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 48-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 48-1
Emission Unit Description: TM/BM Door Foam
Raw Material/Fuel: MDI/Mastermatch
Rated Capacity: 2,880 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 2.23 ton/yr
Authority for Requirement: IDNR Construction Permit 95-A-219

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. The amount of Mondur 577 used shall not exceed 13.98×10^6 pounds per 12-month rolling period.
2. The amount of Mastermatch used shall not exceed 12.9×10^6 pounds per 12-month rolling period.
3. The VOC content of Mastermatch used shall not exceed 1.97% by weight.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The amount of Mondur 577 and Mastermatch used.
2. Percent of VOC's in Mastermatch (polycat 5, polycat 41, etc.

Authority for Requirement: IDNR Construction Permit 95-A-219

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 44.7
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (acfm): 2,240
Exhaust Temperature (°F): 70
Authority for Requirement: IDNR Construction Permit 95-A-219

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 5A

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 5-1
Emissions Control Equipment ID Number: 5
Emissions Control Equipment Description: Dry Filter
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 5-1
Emission Unit Description: Hand Spray Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 1.0 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 5%
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 87-A-124-S2

Pollutant: PM_{10}
Emission Limit(s): 0.9 lb/hr[1]
Authority for Requirement: IDNR Construction Permit 87-A-124-S2

[1] This is the limit for the combined emissions for stacks 5A, 5B, and 5C

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 87-A-124-S2

Pollutant: Volatile Organic Compounds
Emission Limit(s): 25 ton/yr[2]
Authority for Requirement: IDNR Construction Permit 87-A-124-S2

[2] This is the limit for this hand spray booth, emission unit EU 5 which includes the following emission point (5a, 5b, and 5c).

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants Subpart NNNN: Surface Coating of Large Appliances as specified in §63.4081.
2. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A - General Provisions.

Authority for Requirement: 567 IAC 23.1(4)"a"
567 IAC 23.2(4)"cn"

Process Throughput

1. The solids content of any paint or solvent used in this booth shall not exceed 9.8 pounds per gallon.
2. This booth is limited to using no more than 5102 gallons of painting and cleaning materials per 12 month rolling period.
3. The process rate of this booth shall not exceed an average of 1 gal/hr calculated on a daily basis.

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record the VOC content of any paint or solvent used in this booth, in pounds per gallon.
2. Record the solids content of any paint or solvent used in this booth, in pounds per gallon.
3. Record the volume of paint and solvent used in this booth, in gallons, on a daily, monthly and rolling 12 month total basis.
4. Record the hours of operation daily.
5. Calculate and record average hourly production rate (gal/hr) based on daily usage and daily hours of operation.

Authority for Requirement: IDNR Construction Permit 87-A-124-S2

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 62
Stack Opening, (inches, dia.): 42
Exhaust Flow Rate (scfm): 9,800
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: IDNR construction Permit 87-A-124-S2

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Emission Point ID Number: 5B

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 5-1
Emissions Control Equipment ID Number: 5
Emissions Control Equipment Description: Dry Filter
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 5-1
Emission Unit Description: Hand Spray Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 1.0 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 5%
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 96-A-1078-S1

Pollutant: PM_{10}
Emission Limit(s): 0.9 lb/hr[1]
Authority for Requirement: IDNR Construction Permit 96-A-1078-S1

[1] This is the limit for the combined emissions for stacks 5A, 5B, and 5C

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 96-A-1078-S1

Pollutant: Volatile Organic Compounds
Emission Limit(s): 25 ton/yr[2]
Authority for Requirement: IDNR Construction Permit 96-A-1078-S1

[2] This is the limit for this hand spray booth, emission unit EU 5 which includes the following emission point (5a, 5b, and 5c).

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants Subpart NNNN: Surface Coating of Large Appliances as specified in §63.4081.
2. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A - General Provisions.

Authority for Requirement: 567 IAC 23.1(4)"a"
567 IAC 23.1(4)"cn"

Process Throughput

1. The solids content of any paint or solvent used in this booth shall not exceed 9.8 pounds per gallon
2. This booth is limited to using no more than 5102 gallons of painting and cleaning materials per 12-month rolling period.
3. The process rate of this booth shall not exceed an average of 1 gal/hr calculated on a daily basis.

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record the VOC content of any paint or solvent used in this booth, in pounds per gallon.
2. Record the solids content of any paint or solvent used in this booth, in pounds per gallon.
3. Record the volume of paint and solvent used in this booth, in gallons, on a daily, monthly and rolling 12 month total basis.
4. Record the hours of operation daily.
5. Calculate and record average hourly production rate (gal/hr) based on daily usage and daily hours of operation.

Authority for Requirement: 96-A-1078-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 62
Stack Opening, (inches, dia.): 34.4
Exhaust Flow Rate (scfm): 9,800
Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed
Authority for Requirement: 96-A-1078-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☐

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operation & Maintenance Plan

Weekly
- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting
Maintenance and inspection records will be kept for five years and available upon request.

Quality Control
- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Emission Point ID Number: 5C

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 5-1
Emissions Control Equipment ID Number: 5
Emissions Control Equipment Description: Dry Filter
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 5-1
Emission Unit Description: Hand Spray Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 1.0 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 5%
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 96-A-1079-S1

Pollutant: PM_{10}
Emission Limit(s): 0.9 lb/hr[1]
Authority for Requirement: IDNR Construction Permit 96-A-1079-S1

[1] This is the limit for the combined emissions for stacks 5A, 5B, and 5C

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 96-A-1079-S1

Pollutant: Volatile Organic Compounds
Emission Limit(s): 25 ton/yr[2]
Authority for Requirement: IDNR Construction Permit 96-A-1079-S1

[2] This is the limit for this hand spray booth, emission unit EU 5 which includes the following emission point (5a, 5b, and 5c).

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants Subpart NNNN: Surface Coating of Large Appliances as specified in §63.4081.
2. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A - General Provisions.

Authority for Requirement: 567 IAC 23.1(4)"a"
567 IAC 23.1(4)"cn"

Process Throughput

1. The solids content of any paint or solvent used in this booth shall not exceed 9.8 pounds per gallon
2. This booth is limited to using no more than 5102 gallons of painting and cleaning materials per 12-month rolling period.
3. The process rate of this booth shall not exceed an average of 1 gal/hr calculated on a daily basis.

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record the VOC content of nay paint or solvent used in this booth, in pounds per gallon.
2. Record the solids content of any paint or solvent used in this booth, in pounds per gallon.
3. Record the volume of paint and solvent used in this booth, in gallons, on a daily, monthly and rolling 12 month total basis.
4. Record the hours of operation daily.
5. Calculate and record average hourly production rate (gal/hr) based on daily usage and daily hours of operation.

Authority for Requirement: 96-A-1079-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 62
Stack Opening, (inches, dia.): 34.4
Exhaust Flow Rate (scfm): 9,800
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed

Authority for Requirement: 96-A-1079-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Emission Point ID Number: 54

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 54-1
Emissions Control Equipment ID Number: CE 54-1
Emissions Control Equipment Description: Dry Filters
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 54-1
Emission Unit Description: Touch Up Paint Booth #1
Raw Material/Fuel: Paints/Solvents
Rated Capacity: 18.8 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 90-A-343-S1

[1]An exceedance of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/scf
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 90-A-343-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Applicability

1. Whirlpool Corporation - Amana Division is subject to New Source Performance Standards (NSPS) Subpart SS - Standards of Performance for Industrial Surface Coating: Large Appliances as specified in §60.450.
2. Whirlpool Corporation - Amana Division is subject to New Source Performance Standard (NSPS) Subpart A - General Provisions.
3. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants Subpart NNNN: Surface Coating of Large Appliances as specified in §63.4081.
4. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A - General Provisions.

Authority for Requirement: 567 IAC 23.1(2) "kk"
567 IAC 23.1(1)
567 IAC 23.1(4)"a"
567 IAC 23.1(4)"cn"
IDNR Construction Permit 90-A-343-S1

Process Throughput

1. Touch up Booth #1 (EU 54-1) is limited to application of 200 gallons of VOC containing material per rolling 12 month period.
2. The VOC content of VOC containing material used in Touch up Booth #1 (EU 54-1) shall not exceed 5.4 pounds per gallon.
3. Maintain dry filters (54-1) according to manufacturer specifications and maintenance schedule.

Authority for Requirement: IDNR Construction Permit 90-A-343-S1

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record on a monthly basis in gallons, the amount of VOC containing material applied in Touch up Booth #1 (EU 54-1). Calculate and record rolling 12-month totals.
2. Maintain record of the VOC content of all VOC containing materials used in Touch up Booth #1 (EU 54-1) in pounds per gallon.
3. Retain Material Safety Data Sheets (MSDS) of all VOC containing materials used in Touch up Booth #1 (EU 54-1).
4. Maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of dry filters (54-1)

Authority for Requirement: 90-A-343-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 36
Stack Opening, (inches, dia.): 34
Exhaust Flow Rate (scfm): 19,000
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: IDNR Construction Permit 90-A-343-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Emission Point ID Number: 60

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 60-1, 60-2
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 60-1, 60-2
Emission Unit Description: Line 92 Cabinet Foam
Raw Material/Fuel: MDI/Mastermatch
Rated Capacity: 12 ton/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC's)
Emission Limit(s): 5.36[1]
Authority for Requirement: IDNR Construction Permit 95-A-218-S1

[1]Limit is for the combined emissions of Sources 11, 40-A, and 60.

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission unit is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. The amount of Mondur 577 used in Sources 11, 40-A and 60 combined shall not exceed 33.645×10^6 pounds per 12-month rolling period.
2. The amount of Masterbatch used in Sources 11, 40-A and 60 combined shall not exceed 27.05×10^6 pounds per 12-month rolling period.
3. The Voc content of Masterbatch used in Sources 11, 40-A and 60 shall not exceed 1.97% by weight.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The amount of Mondur 577 used in this source, in pounds. Calculate and record monthly and 12-month totals rolled monthly.
2. The amount of Masterbatch used in this source, in pounds. Calculate and record monthly and 12-month totals rolled monthly.
3. The VOC content of the Masterbatch used in this source, in weight percent.

Authority for Requirement: IDNR Construction Permit 95-A-218-S1

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 36
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (acfm): 15,000
Exhaust Temperature (°F): Ambient
Authority for Requirement: IDNR construction Permit 95-A-218-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 61

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 61-1
Emissions Control Equipment ID Number: CE-61-1
Emissions Control Equipment Description: Dry Filters
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 61-1
Emission Unit Description: Touch Up Paint Booth #5
Raw Material/Fuel: Paint/Solvents
Rated Capacity: 18.8 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 92-A-651-S1

[1]An exceedance of the indicator opacity of "No visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/scf
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 92-A-651-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. Whirlpool Corporation - Amana Division is subject to New Source Performance Standards (NSPS) Subpart SS - Standards of Performance for Industrial Surface Coating: Large Appliances as specified in §60.450.
2. Whirlpool Corporation - Amana Division is subject to New Source Performance Standard (NSPS) Subpart A - General Provisions.
3. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances as specified in §63.4081.
4. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A - General Provisions.

Authority for Requirement: 567 IAC 23.1(2) "kk"
567 IAC 23.1(1)
567 IAC 23.1(4)"a"
567 IAC 23.2(4)"cn"
IDNR Construction Permit 92-A-651-S1

Process Throughput

1. Touch up Booth #5 (EU 61-1) is limited to the application of 200 gallons of VOC containing material per rolling 12 month period.
2. The VOC content of VOC containing material used in Touch up Booth #5 (EU 61-1) shall not exceed 5.4 pounds per gallon.
3. Maintain dry filters (61-1) according to manufacturer specifications and maintenance schedule.

Authority for Requirement: IDNR Construction Permit 92-A651-S1

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record on a monthly basis in gallons, the amount of VOC containing material applied in Touch up Booth #5 (EU 61-1). Calculate and record rolling 12-month totals.
2. Maintain record of the VOC content of all VOC containing materials used in Touch up Booth #5 (EU 61-1) in pounds per gallon.
3. Retain Material Safety Data Sheets (MSDS) of all VOC containing materials used in Touch up Booth #5 (EU 61-1).
4. Maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of dry filters (61-1).

Authority for Requirement: IDNR Construction Permit 92-A-651-S1

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 43.5
Stack Opening, (inches, dia.): 34
Exhaust Flow Rate (scfm): 19,000
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: IDNR construction Permit 92-A-651-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Emission Point ID Number: 64

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 64-1
Emissions Control Equipment ID Number: CE 64-1
Emissions Control Equipment Description: Dry Filters
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 64-1
Emission Unit Description: Touch Up Booth # 6
Raw Material/Fuel: Paints/Solvents
Rated Capacity: 18.8 gal/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 93-A-269-S1

[1]An exceedance of the indicator opacity of "No visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance. (e.g., stack testing).

Pollutant: PM_{10}
Emission Limit(s): 0.84 lb/hr
Authority for Requirement: IDNR Construction Permit 93-A-269-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/scf
Authority for Requirement: 567 IAC 23.4(13)
IDNR Construction Permit 93-A-269-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

1. Whirlpool Corporation - Amana Division is subject to New Source Performance Standards (NSPS) Subpart SS - Standards of Performance for Industrial Surface Coating: Large Appliances as specified in §60.450.
2. Whirlpool Corporation - Amana Division is subject to New Source Performance Standard (NSPS) Subpart A - General Provisions.
3. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances as specified in §63.4081.
4. Whirlpool Corporation - Amana Division is subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart A - General Provisions.

Authority for Requirement: 567 IAC 23.1(2) "kk"
567 IAC 23.1(1)
567 IAC 23.1(4)"a"
567 IAC 23.1(4)"cn"
IDNR construction Permit 93-A-269-S1

Process Throughput

1. Touch up Booth #6 (EU 64-1) is limited to application of 200 gallons of VOC containing material per rolling 12 month period.
2. The VOC content of VOC containing material used in Touch up Booth #6 (EU 64-1) shall not exceed 5.4 pounds per gallon.
3. Main dry filters (61-1) according to manufacturer's specifications and maintenance schedule.

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record on a monthly basis in gallons, the amount of VOC containing material applied in Touch up Booth #6 (EU 64-1). Calculate and record rolling 12-month totals.
2. Maintain record of the VOC content of all VOC containing materials used in Touch up Booth #6 (EU 64-1) in pounds per gallon.
3. Retain Material Safety Data Sheets (MSDS) of all VOC containing materials used in Touch up Booth #6 (EU 64-1).
4. Maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of dry filters (64-1).

Authority for Requirement: IDNR Construction Permit 93-A-269-S1

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 44
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 9,800
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: IDNR Construction Permit 93-A-269-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Record Keeping and Reporting

Maintenance and inspection records will be kept for five years and available upon request.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Emission Point ID Number: 65

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 65-1, 65-2
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 65-1, 65-2
Emission Unit Description: Styrene Coextruder
Raw Material/Fuel: Polystyrene
Rated Capacity: 2.5 ton/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 1.68 lb/hr
7.2 ton/yr
Authority for Requirement: IDNR Construction Permit 94-A-191-S1

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. The maximum VOC content of any material used in the Styrene Coextruder must be 0.034% VOC by volume.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Record the type and quantity of all materials used in the Styrene Coextruder.
2. Record the VOC content of all materials used in the Styrene Coextruder.

Authority for Requirement: IDNR Construction Permit 94-A-191-S1

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 54
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 9000
Exhaust Temperature (°F): Ambient
Authority for Requirement: IDNR construction Permit 94-A-191-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 66

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 66-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 66-1
Emission Unit Description: Pellet Humidifier Dryer
Raw Material/Fuel: Natural Gas
Rated Capacity: 1.3 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 94-A-189-S1

Pollutant: PM_{10}
Emission Limit(s): 0.12 lb/hr
0.57 ton/yr
Authority for Requirement: IDNR construction Permit 94-A-189-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NOx)
Emission Limit(s): 0.45 lb/hr
2.0 Tons/yr
Authority for Requirement: IDNR Construction Permit 94-A-189-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. This dryer must be fueled exclusively by natural gas.

Authority for Requirement: IDNR Construction Permit 94-A-189-S1

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

This emission point is not subject to any applicable reporting requirements at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 34.9
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 3000
Exhaust Temperature (°F): 600
Authority for Requirement: IDNR Construction Permit 94-A-189-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 67

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 67-1
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 67-1
Emission Unit Description: Pellet Humidifier Dryer
Raw Material/Fuel: Natural Gas
Rated Capacity: 1.3 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM_{10}
Emission Limit(s): 0.12 lb/hr
0.57 Ton/yr
Authority for Requirement: IDNR Construction Permit 94-A-190-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide)(SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NOx)
Emission Limit(s): 0.45 lb/hr
2.0 ton/yr
Authority for Requirement: IDNR Construction Permit 94-A-190-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. This dryer must be fueled exclusively by natural gas.

Authority for Requirement: IDNR Construction Permit 94-A-190-S1

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

This emission point is not subject to any applicable reporting requirements at this time.

Authority for Requirement: IDNR Construction Permit 94-A-190-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 34.9
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 1400
Exhaust Temperature (°F): 600
Authority for Requirement: IDNR Construction Permit 94-A-190-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 134

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 134-1, 134-1A
Emissions Control Equipment ID Number: CE 134A, CE 134B
Emissions Control Equipment Description: Afterburner and Cyclone
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 134-1, 134-1A
Emission Unit Description: Fluidized bed paint stripper, natural gas burner
Raw Material/Fuel: Natural gas
Rated Capacity: 40 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 96-A-1080-S3

[1]An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM_{10}
Emission Limit(s): 1.0 lb/hr
Authority for Requirement: IDNR Construction Permit 96-A-1080-S3

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"
IDNR Construction Permit 96-A-1080-S3

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"
IDNR Construction Permit 96-A-1080-S3

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. All control equipment shall be maintained according to the manufacturer's specifications.
2. This unit shall only use Natural Gas or Propane as fuels.
3. The quantity of paint incinerated in this system shall not exceed 40.0 pounds per hour.
4. Equipment allowed to be burned off in this unit shall include paint hooks, ABS and HIP extrusion screens, foam pumps and any other metal parts which are coated with paint or foam materials.

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The owner or operator shall maintain a record of all inspections of the control equipment. The owner or operator shall document the results of the inspections and note any repairs that were the result of the inspections.
2. The owner or operator shall maintain a record of the type of fuel burned in this unit.
3. The owner or operator shall maintain a record of the amount of paint destroyed in this unit. One day per calendar month, each load put into the unit (a minimum of two) shall be weighted before and after burn-off to determine compliance with the 40.0 pounds per hour paint burn-off limit in section 14 of this permit.

Authority for Requirement: IDNR Construction Permit 96-A-1080-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 36
Stack Opening, (inches, dia.): 23
Exhaust Flow Rate (scfm): 5,400
Exhaust Temperature (°F): 300
Discharge Style: Unobstructed Vertical
Authority for Requirement: IDNR Construction Permit 96-A-1080-S3

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 135-1, 135-2, 135-3, 135-4, 135-5, 135-6A, 135-6B, 135-7, 135-8, 135-9, 135-10, 135-11a, 135-11b

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 135-1, 135-2, 135-3, 135-4, 135-5, 135-6A, 135-6B, 135-7, 135-8, 135-9, 135-10, 135-11a, 135-11b
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 135-1, 135-2, 135-3, 135-4, 135-5, 135-6A, 135-6B, 135-7, 135-8, 135-9, 135-10, 135-11a, 135-11b
Emission Unit Description: Powder Coat Parts Washer
Raw Material/Fuel: Metal Parts, Natural Gas/Propane
Rated Capacity: 60,411 ft^2/hr3 MMBtu/hr, 2MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

EP	EU	Pollutant	Emission Limit	Authority for Requirement	
				IAC	Iowa DNR Construction Permit
135-1	135-1	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-173
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-173
135-2	135-2	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-174
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-174
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-174
135-3	135-3	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-175
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-175
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-175

135-4	135-4	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-176
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-176
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-176
135-5	135-5	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-177
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-177
135-6A	135-6A	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-178
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-178
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-178
135-6B	135-6B	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-179
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-179
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-179
135-7	135-7	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-180
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-180
135-8	135-8	Opacity	[1]		98-A-181
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-181
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-181
135-9	135-9	Opacity	40%[2]	567 IAC 23.3(2)"d"	98-A-182-S1
		PM	0.1 gr/scf	567 IAC 23.3(2)"a"	98-A-182-S1
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-182-S1
135-10	135-10	Opacity	40%[2]	567 IAC 23.3(2)"d"	98-A-183-S1
		PM	0.1 gr/scf	567 IAC 23.3(2)"a"	98-A-183-S1
		SO_2	500 ppmv	567 IAC 23.3(3)"e"	98-A-183-S1
135-11a	135-11a	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-184

		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-184
135-11b	135-11b	Opacity	40%[1]	567 IAC 23.3(2)"d"	98-A-185
		PM	0.1 gr/dscf	567 IAC 23.3(2)"a"	98-A-185

[1] If visible emissions are observed other than startup, shutdown or malfunction, a stack test may be required to demonstrate compliance with the particulate standard..

[2] An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS and NESHAP Applicability

See section regarding plant wide Conditions.

Process Throughput

1. The burners in powder coat line 135 shall be fired by natural gas or propane only.
2. The VOC content of any paint used in powder coat line 135 shall not exceed 1.623% (by weight).
3. The amount of paint used in powder coat line 135 shall not exceed 1,095,000 lb per twelve month period rolled monthly.

Authority for Requirement: IDNR Construction Permit 98-A-173
IDNR Construction Permit 98-A-174
IDNR Construction Permit 98-A-175
IDNR Construction Permit 98-A-176
IDNR Construction Permit 98-A-177
IDNR Construction Permit 98-A-178
IDNR Construction Permit 98-A-179
IDNR Construction Permit 98-A-180
IDNR Construction Permit 98-A-181
IDNR Construction Permit 98-A-182-S1
IDNR Construction Permit 98-A-183-S1
IDNR Construction Permit 98-A-184
IDNR Construction Permit 98-A-185

Reporting & Recordkeeping

The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The type of fuel used.
2. The VOC content of any paint used in powder coat line 135, by weight (lb VOC/lb paint).
3. The quantity of paint used in pounds per twelve month period rolled monthly.

Authority for Requirement: IDNR Construction Permit 98-A-173
IDNR Construction Permit 98-A-174
IDNR Construction Permit 98-A-175
IDNR Construction Permit 98-A-176
IDNR Construction Permit 98-A-177
IDNR Construction Permit 98-A-178
IDNR Construction Permit 98-A-179
IDNR Construction Permit 98-A-180
IDNR Construction Permit 98-A-181
IDNR Construction Permit 98-A-182-S1
IDNR Construction Permit 98-A-183-S1
IDNR Construction Permit 98-A-184
IDNR Construction Permit 98-A-185

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (ft from ground)	Stack Opening (inches, dia)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Authority for Requirement
55	16	3400	Ambient	98-A-173
55	8	650	800	98-A-174
55	8	650	800	98-A-175
55	8	650	800	98-A-176
55	18	7000	Ambient	98-A-177
55	8	650	800	98-A-178
55	8	650	800	98-A-179
55	16	3400	Ambient	98-A-180
55	18 x 27	9500	450	98-A-181
55	16 x 24	6800	450	98-A-182-S1
55	16 x 24	6800	450	98-A-183-S1
55	48	50,600	Ambient	98-A-184
55	48	50,600	Ambient	98-A-185

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 140

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 140
Emissions Control Equipment ID Number: CE-140
Emissions Control Equipment Description: Packed Bed Scrubber
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 140
Emission Unit Description: Acid Bath
Raw Material/Fuel: Acid

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 02-A-552

[1] An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM_{10}
Emission Limit(s): 3.29 lb/hr
Authority for Requirement: IDNR Construction Permit 02-A-552

Pollutant: Particulate Matter (PM)
Emission Limit(s): 5.57 lb/hr
0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"
IDNR Construction Permit 02-A-552

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 38
Stack Opening, (inches, dia.): 30
Exhaust Flow Rate (scfm): 12,000
Exhaust Temperature (°F): 70
Discharge Style: Unobstructed Vertical
Authority for Requirement: IDNR Construction Permit 02-A-552

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that is representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 141

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 141
Emissions Control Equipment ID Number: CE-141
Emissions Control Equipment Description: Scrubber
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 141
Emission Unit Description: Waste Water Tanks
Raw Material/Fuel: Waste Water
Rated Capacity: 750 gallons each

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 02-A-553

[1] An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM_{10}
Emission Limit(s): 3.29 lb/hr
Authority for Requirement: IDNR Construction Permit 02-A-553

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"
IDNR Construction Permit 02-A-553

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 30
Stack Opening, (inches, dia.): 30
Exhaust Flow Rate (scfm): 4,000
Exhaust Temperature (°F): 70
Discharge Style: Unobstructed Vertical
Authority for Requirement: IDNR Construction Permit 02-A-553

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that is representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 144

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 144
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 144
Emission Unit Description: Building 52 Door Foam
Raw Material/Fuel: Foam Chemicals and Blowing Agent
Rated Capacity: 28.80 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 2.0 ton/yr
Authority for Requirement: IDNR Construction Permit 02-A-733

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission point is not subject to any applicable NSPS or NESHAP requirements at this time.

Process Throughput

1. The number of units produced in this emission unit shall not exceed 35,050 units per rolling 12-month period.

Authority for Requirement: IDNR Construction Permit 02-A-733

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The facility shall keep records documenting the number of units produced in this emission unit on a monthly basis. During the first 12 months of operation, determine the cumulative number of units produced for each month of operation. After the first 12 months of operation, determine the annual number of units produced on a 12 month rolling basis for each month of operation.
2. The MSDS of each material used in this emission unit shall be kept on-site and available for inspection by the DNR.

Authority for Requirement: IDNR Construction Permit 02-A-733

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 44
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 2400
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: IDNR Construction Permit 02-A-733

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 145

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 145
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 145
Emission Unit Description: Building 52 Cabinet Foam
Raw Material/Fuel: Foam Chemicals and Blowing Agent
Rated Capacity: 105.4 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 6.0 ton/yr
Authority for Requirement: IDNR Construction Permit 02-A-734

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP Applicability

This emission point is not subject to any applicable NASA or NESHAP requirements at this time.

Process Throughput

1. The number of units produced in this emission unit shall not exceed 35,050 units per rolling 12 month period.

Authority for Requirement: IDNR Construction Permit 02-A-734

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The facility shall keep records documenting the number of units produced in this emission unit on a monthly basis. During the first 12 months of operation, determine the cumulative number of unit produced for each month of operation. After the first 12 months of operation, determine the annual number of units produced on a 12 month rolling basis for each month of operation.
2. The MSDS of each material used in this emission unit shall be kept on-site and available for inspection by the DNR.

Authority for Requirement: IDNR Construction Permit 02-A-734

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 44
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 2400
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: IDNR construction Permit 02-A-734

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 146

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 146
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 146
Emission Unit Description: Building 52 Brazing
Raw Material/Fuel: Natural Gas
Rated Capacity: 50 scf/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR construction Permit 02-A-735

[1] An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"
IDNR Construction Permit 02-A-735

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)
IDNR Construction Permit 02-A-735

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 44
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 2400
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: IDNR Construction Permit 02-A-735

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 147

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 147
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 147
Emission Unit Description: Tote Vent
Raw Material/Fuel: L6900, Polycat 5, Polycat 41
Rated Capacity: 0.55 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

There are no applicable emission limits at this time

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Reporting & Recordkeeping
The following records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. Each tote exchange shall be logged. The log shall contain the date of each exchange along with the material in the new tote.

Authority for Requirement: IDNR Construction Permit 03-A-456

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 43
Stack Opening, (inches, dia.): 10
Exhaust Flow Rate (scfm): 1000
Exhaust Temperature (°F): Ambient (68° F)

Discharge Style: Unobstructed Vertical
Authority for Requirement: IDNR construction Permit 03-A-456

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 148

Associated Equipment

Associated Emissions Unit ID Numbers (if multiple units vent thru this EP): 148
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: 148
Emission Unit Description: Inline Thermoformer
Raw Material/Fuel: Plastic
Rated Capacity: 1,500 lb/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40%[1]
Authority for Requirement: 567 IAC 23.3(2)"d"
IDNR Construction Permit 04-A-592

1An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue afther the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"
IDNR Construction Permit 04-A-592

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 44
Stack Opening, (inches, dia.): 10
Exhaust Flow Rate (scfm): 2,000
Exhaust Temperature (°F): 100
Discharge Style: Vertical Unobstructed

Authority for Requirement: IDNR construction Permit 04-A-592

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to EPA Region VII, Attention: Chief of Air Permits, 901 N. 5th St., Kansas City, KS 66101. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
    a. Form 1.0 "Facility Identification";
    b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
    c. Form 5.0 "Title V annual emissions summary/fee"; and
    d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
    a. Form 1.0 "Facility Identification";
    b. Form 5.0 "Title V annual emissions summary/fee";
    c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.

6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
    a. The date, place and time of sampling or measurements
    b. The date the analyses were performed.
    c. The company or entity that performed the analyses.
    d. The analytical techniques or methods used.
    e. The results of such analyses; and
    f. The operating conditions as existing at the time of sampling or measurement.
    g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

a. Comply with all terms and conditions of this permit specific to each alternative scenario.

b. Maintain a log at the permitted facility of the scenario under which it is operating.

c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.
1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;

b. Compliance test methods specified in 567 Chapter 25; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and expected duration of the excess emission.

iv. The cause of the excess emission.

v. The steps being taken to remedy the excess emission.

vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department

within seven days of the onset of the upset condition, and shall include as a minimum the following:

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and duration of the excess emission.

iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.

vi. The steps that were taken to limit the excess emission.

vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The facility at the time was being properly operated;

c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and

d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR

Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.

b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);

c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);

d. The changes are not subject to any requirement under Title IV of the Act.

e. The changes comply with all applicable requirements.

f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,

ii. The date on which the change will occur,

iii. Any change in emission as a result of that change,

iv. The pollutants emitted subject to the emissions trade

v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.

vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and

vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.
    a. An administrative permit amendment is a permit revision that is required to do any of the following:
        i. Correct typographical errors
        ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
        iii. Require more frequent monitoring or reporting by the permittee; or
        iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
    b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
    c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.
2. Minor Permit Modification.
    a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:
        i. Do not violate any applicable requirements
        ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
        iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.
        iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;
        v. Are not modifications under any provision of Title I of the Act; and
        vi. Are not required to be processed as significant modification.
    b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
        i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.

ii. The permittee's suggested draft permit
iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113* The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.105(1)"a"(4)*

G19. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)*

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations, training fires and controlled burning of a demolished building. *567 IAC 23.1(3)"a", and 567 IAC 23.2*

G21. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number

of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
    c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
    d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
    e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
    f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
    a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
    b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.
    c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
    a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;
    b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
    c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
    d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
    e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

    a. Such applicable requirements are included and are specifically identified in the permit; or

    b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

3. A permit shield shall not alter or affect the following:

    a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;

    b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

    c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;

    d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically

waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.

567 IAC 26.1(1)

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits
EPA Region 7
Air Permits and Compliance Branch
901 N. 5th Street
Kansas City, KS 66101
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1
909 West Main – Suite 4
Manchester, IA 52057
(563) 927-2640

Field Office 2
2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3
1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4
1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5
401 SW 7th Street, Suite I
Des Moines, IA 50309
(515) 725-0268

Field Office 6
1023 West Madison Street
Washington, IA 52353-1623
(319) 653-2135

Polk County Public Works Dept.
Air Quality Division
5885 NE 14th St.
Des Moines, IA 50313
(515) 286-3351

Linn County Public Health Dept.
Air Pollution Control Division
501 13th St., NW
Cedar Rapids, IA 52405
(319) 892-6000

V. Appendix